DS-TY10B0 Toyota Sienna

*** JBL Audio equipped vehicles will require additional part # DP-TYJBL1 audio interface**

NOTICE OF INTENDED INSTALLATION AND USE

THE ROSEN MULTI-MEDIA NAVIGATION SYSTEMS CONTAIN AN INTERNAL VIDEO PLAYER, WHICH IS NOT INTENDED FOR VIEWING BY THE DRIVER. THE VIDEO PLAYER IS DISABLED WHEN THE VEHICLE IS IN MOTION THROUGH A CONNECTION TO THE PARKING BRAKE.

THE INSTALLER OF THIS PRODUCT MUST INSURE THE VIDEO DISABLE CONNECTION IS WORKING PROPERLY PRIOR TO DELIVERY OF THE VEHICLE.

IMPROPER INSTALLATION COULD DISTRACT THE DRIVER OR INTERFERE WITH SAFE OPERATION OF THE VEHICLE, WHICH COULD RESULT IN SERIOUS INJURY OR DEATH, AND COULD ALSO VIOLATE STATE AND/OR FEDERAL LAW.

ROSEN ENTERTAINMENT SYSTEMS DISCLAIMS ANY LIABILITY FOR ANY BODILY INJURY OR PROPERTY DAMAGE THAT MAY RESULT FROM ANY IMPROPER OR UNINTENDED INSTALLATION AND/OR USE.

	STOP Damage to the vehicle may occur Do not proceed until process has been completed
	CAUTION Process must be carefully observed in order to reduce the risk of damage to the accessory or vehicle
	CRITICAL Process must be carefully observed in order to ensure a quality installation
	TOOLS and EQUIPMENT Specific tools and equipment recommended for this process
	SAFETY RISK Observe safe practices, this process can be dangerous and there is a risk of personal injury
	TESTING and TROUBLESHOOTING Content specific testing and troubleshooting points

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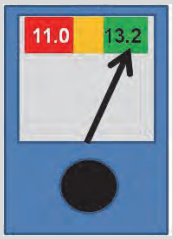
PREPARING FOR THE INSTALLATION **Before you start, please read these critical steps below**		STEP 1
BEFORE YOU START THE INSTALLATION, READ THIS GUIDE!		
VISIT **Rosen Dealer Central** For the latest Updates, Corrections and Technical Tips about this product and installation www.**RosenDealerCentral**.com		
CHECK THE BATTERY Test the battery voltage to make sure it's fully charged to a minimum of 12.8 VDC This only takes seconds and can save hours of troubleshooting later.		
TURN THE VEHICLE ***OFF*** Keep the Vehicle Off during the installation to avoid setting various Vehicle Fault sensors		
Keep the Vehicle OFF during the installation Failure to follow this may cause the AIRBAG FAULT SENSOR to become enabled. Dealer Service Departments charge a significant fee to reset the Fault Sensor.		

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REMOVE THE FACTORY RADIO

You will need to remove multiple interior trim components prior to removing the factory radio. The following steps will help guide you through this process.

STEP 2

Remove Shift Knob

Carefully remove shift knob

CAUTION

Remove Lower Dash Trim

Carefully remove lower dash trim beneath climate controls

CAUTION

Remove Shift Knob Bezel

Carefully remove shift knob bezel

CAUTION

Remove Climate Controls

Carefully remove climate controls

CAUTION

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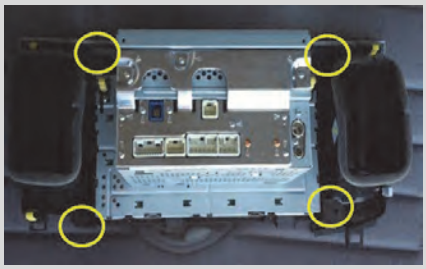
Remove OEM Radio Mounting Bolts

Carefully remove radio mounting bolts.
4 x 10mm bolts.
Radio and dash/vent trim will come out as a single piece.

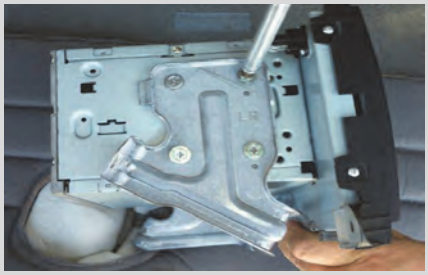
Remove Dash/Vent Trim from OEM Radio

Carefully remove 4 x Phillips screws to release dash/vent trim from OEM radio.



Remove Mounting Brackets

Carefully remove mounting brackets from OEM radio and relocate onto Rosen unit.
Be sure to use ROSEN SUPPLIED screws.
Be sure to re-install dash/vent trim onto Rosen unit.



LOCATING REMOTE COMPONENTS

STEP 3

You will need to mount the GPS and Optional Satellite Radio Antennas on the exterior of the vehicle. And mount the iPod Interface Connector in the vehicle. The following steps will help guide you through this process.

Use Caution around SRS Components

It is the **installer's responsibility** to ensure that the safety equipment in the vehicle is **NOT** adversely affected by installation of this system. Ensure that the routing of the harnesses do NOT obstruct airbags, SRS or other safety devices.

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Mount the GPS and Sat Radio antenna in a location on the exterior of the Vehicle

Route the GPS harness away from other power harnesses in the vehicle.

This will help to ensure optimum performance of the GPS system.

"OPTIONAL"
Install the iPod interface connector in a location accessible to the end-user

Locate the iPod interface module in an area which can be serviced in the future.

The iPod cable is intended to be a serviceable item, which plugs into the iPod/Sat radio Interface Module.

INSTALL THE ROSEN NAVIGATION SYSTEM

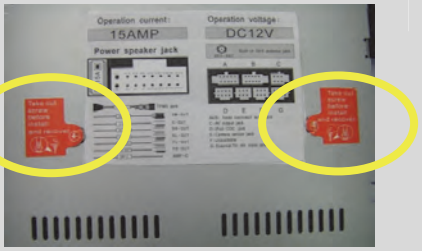
You will need to prepare the Rosen Navigation System for installation in the vehicle.

STEP 4

Remove the DVD Transport Screws

There are 2 x Phillips Transport Screws which protect the DVD Mechanism during transportation.

Transport Screws must be removed prior to installation.

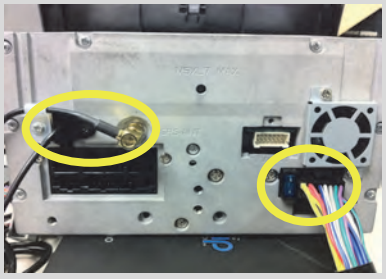


Connect the Power and GPS Harnesses

The GPS Harness must be tightened with a WRENCH to ensure it is properly seated.

Be sure to use white cable clamp to secure GPS antenna cable

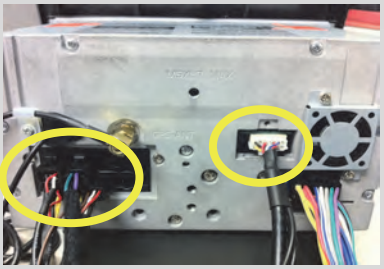
Failure to follow this step may result in poor GPS signal



Connect Optional Harnesses such as iPod, Satellite Radio, Camera, Reverse Sensors

These harnesses must be fully engaged prior to the system installation.

See the Harness Diagrams for more information



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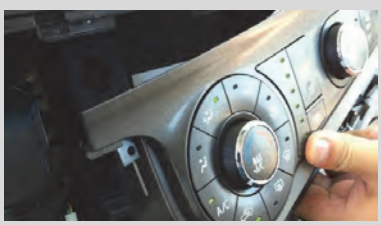
Prepare the Vehicle side harnesses for connection to the Rosen Harness Use care not to pinch or damage cables as this will cause performance issues/failures		
Mount Rosen Navigation into Dash Insert Rosen Navigation System Into Dash and re-install radio mounting screws that were removed		
Turn the vehicle ON and confirm the unit is fully operational With the connectors **Fully Engaged**, turn the vehicle on and press the **RESET** for 5 seconds on the unit.		
Insert a DVD to confirm the Video Disable Circuit is properly Operating. The Brake Wire must be connected to the Park Brake Indicator Wire to complete a ground when the brake is engaged.		
RE-INSTALL THE TRIM COMPONENTS You will need to reinstall all trim components		**STEP 5**
Re-Install Climate Controls Re-install Climate Controls as well as lower climate control trim piece that were removed in Step 2.		

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Re-Install Shift Knob

Re-install shift knob and shift knob bezel that were removed in Step 2.

CAUTION

ENABLE INSTALLER SETTINGS

You will need to select certain Installer Setting based on any Optional Equipment that you may have installed

STEP 6

Launch the Installer Setting Screen

From any screen with the Menu Button, follow these steps to display the Installer Setting Screen, select:

1) From any Screen, select “Menu”
2) From the Menu Screen, select “Settings”
3) Press “Keypad,” Press “7253” and “Enter”

! CRITICAL

Select the individual Settings as needed for the installed components

Selectable options vary by product and installation. Select the options as applicable for the installed optional components.

! CRITICAL

Perform Pre-Delivery Tests

You will need to perform several Pre-Delivery Tests to ensure customer satisfaction
Some optional equipment may not be applicable

STEP 7

Turn the vehicle ON and System ON

Confirm the unit starts up properly

Troubleshooting

1) Reset the System while the Vehicle is ON
2) Confirm all connectors are properly installed
3) Check the Vehicle and System Fuses

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Installation Guide Toyota Sienna

Select RADIO as the Source

Confirm that the AM and FM reception are as expected

Troubleshooting

1) Confirm Antenna is properly connected.
2) Reset the System

Select SATELLITE RADIO as the Source

Confirm Channel 001 is present after ~5 minutes

Troubleshooting

1) Confirm the SAT Radio is Turned ON in the Installer Settings
2) Confirm the antenna has unobstructed view of the Sky
3) Confirm the antenna is located on the outside of the vehicle

Select iPOD as the Source

Confirm iPod is communicating and playback is OK

Troubleshooting

1) Confirm iPod Version Compatibility – not all are compatible
2) Confirm the harnesses are properly engaged
3) Reset the System

Select CD as the Source

Confirm CD audio playback is OK

Troubleshooting

1) Confirm the Disc is Store Bought and in good condition
2) Reset the system

Select DVD as the Source

Confirm DVD video playback is OK

Troubleshooting

1) Ensure the Park Brake is set to view video
2) Confirm the Disc is Store Bought and in good condition
3) Reset the system

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Select MP3 as the Source

Confirm MP3 playback is OK – Select Favorites

Troubleshooting

1) Confirm that a Test Track exists in the Favorites Folder
2) Reset the system

Select Phone as the Source

Confirm Phone Pairing is successful

Troubleshooting

1) Confirm the Phone has BT and is in discoverable mode
2) Confirm the Phone is compatible with the system
3) Reset the system

Select NAV as the Source

Confirm the Navigation loads and signal strength is OK

Troubleshooting

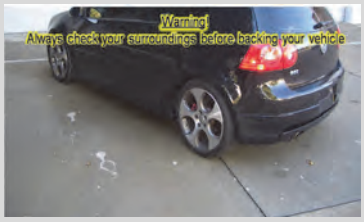
1) Confirm the antenna has an unobstructed view of the sky
2) Confirm the antenna is located on the outside of the vehicle
3) Confirm the antenna connection is properly tightened

Select Reverse Camera

Confirm the backup camera screen shows in reverse

Troubleshooting

1) Confirm the Camera is set to ON in the Installer Settings
2) Confirm the Reverse Trigger wire is attached properly
3) Confirm the Camera is receiving 12VDC as required



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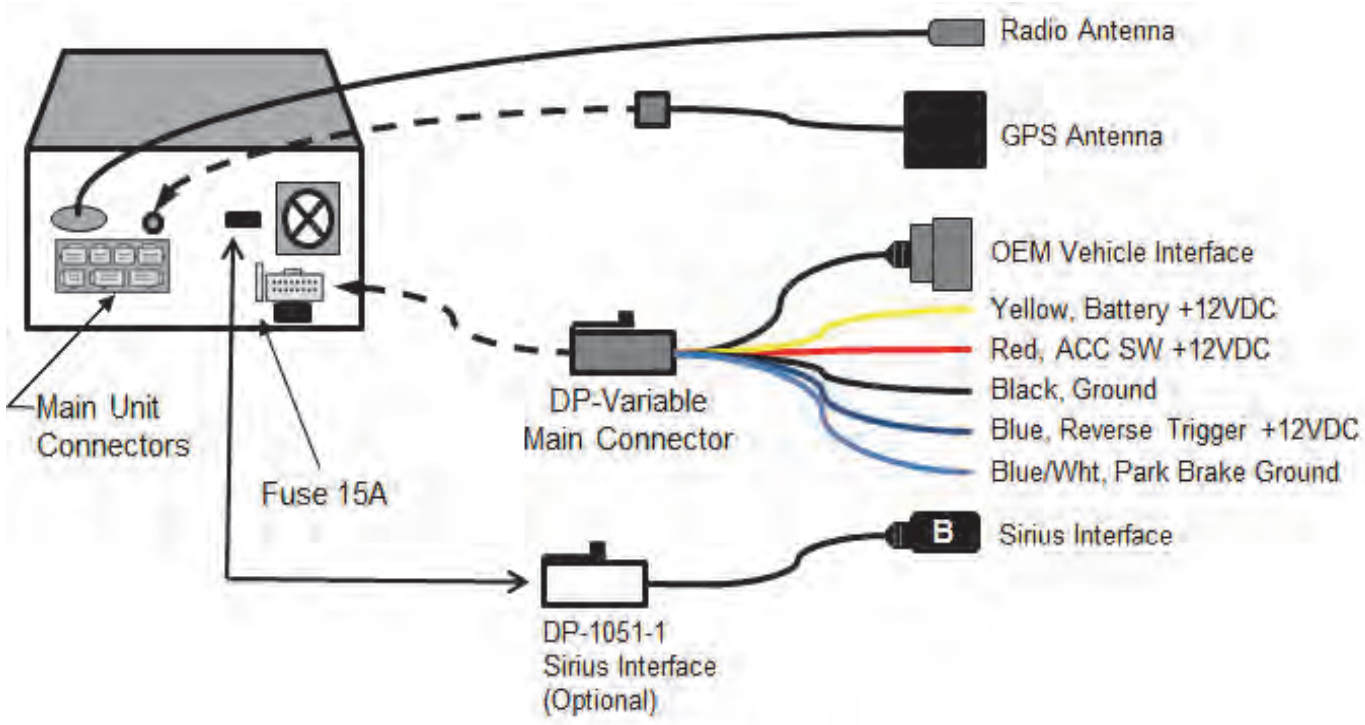
Installation Guide Toyota Sienna

Service and Optional Parts List

Part Number	Description	Part Number	Description
DP-TY10B1	Quick Reference Guide	DP-TY10B2	Harness, Main Interconnect
DP-TY10B4	Installation Guide	DP-TY10B3	Harness, Steering Wheel Cntls
DP-1047	GPS Antenna Windshield Mount	DP-1001	Manual, Owner's
DP-1008	Harness, AUX Out	DP-1002	Manual, Primo Navigation
DP-1009***	Harness, AUX IN	DP-1010*	Harness, Sensors/Camera
DP-1023	Pin, Stylus	DP-1011	Harness, Dolby 5.1/Amp
DP-1083-P11	Card, MicroSD w/ maps	DP-1022	Antenna, GPS
DP-1013-1	Harness, iPod	DP-1066**	Camera, License Plate Black
DP-1007	Harness, USB Adaptor	DP-1067**	Camera, License Plate Chrome
DP-1051-1	Harness, Sirius Interface	DP-1068**	Camera, Universal Black
DP-TYJBL1	Harness, JBL Adaptor		

* Included with DP-1066, DP-1067, and DP-1068
** DP-1010 Camera/Sensor harness included
*** OEM 3.5mm Aux input will NOT be retained when this harness is used

Main Harness Diagram



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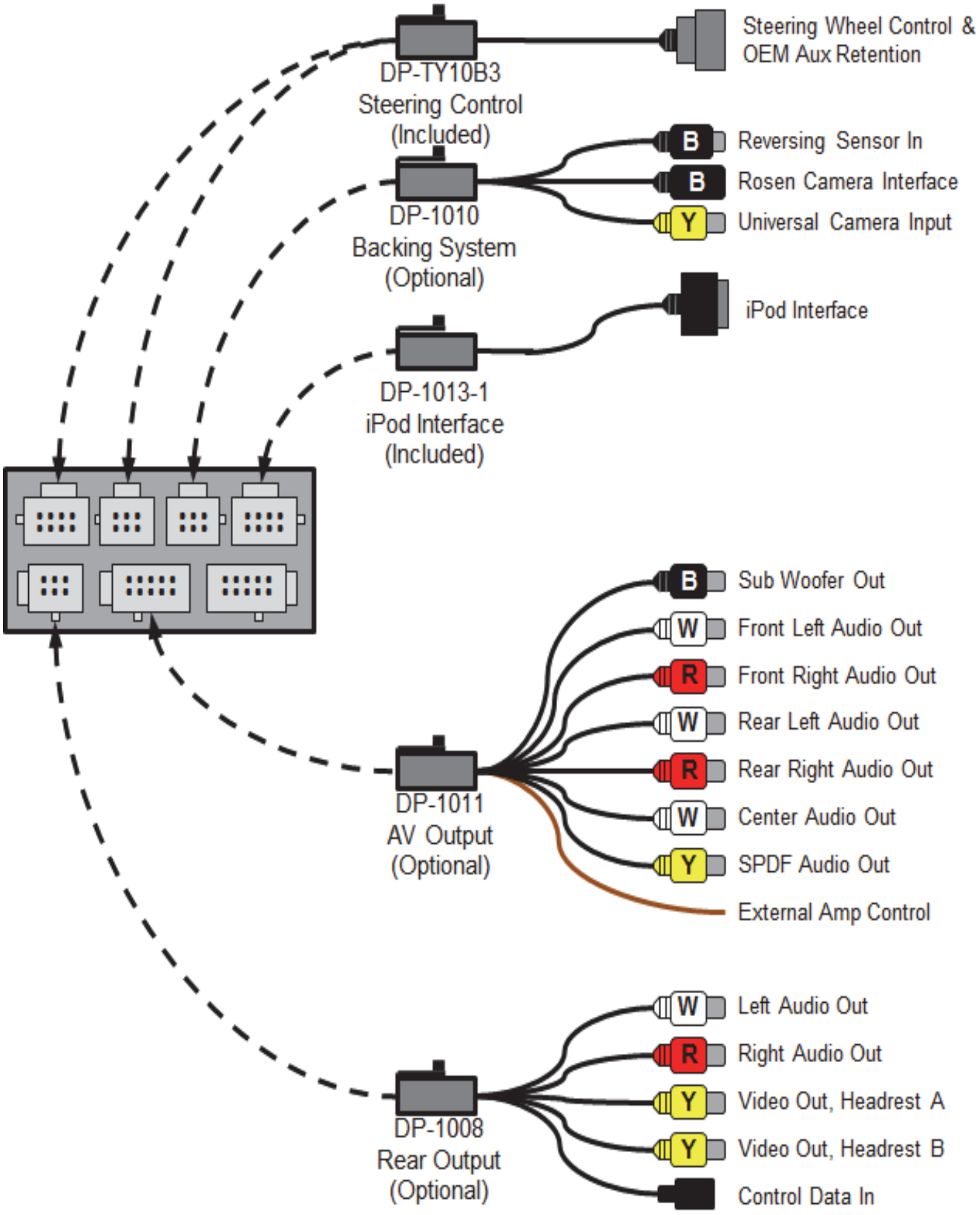
Optional Harness Diagram



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